



TABLE 42

**U.S. residing employed doctoral scientists and engineers, by occupation and sector of employment: 2019**

(Number and SE)

Occupation	All employed		4-year educational institution <sup>a</sup>		Other educational institution <sup>b</sup>		Private, for profit <sup>c</sup>		Private, nonprofit		Federal government		State or local government		Self-employed <sup>d</sup>		Other <sup>e</sup>	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Postsecondary teachers, sociology	7,500	350	7,100	350	400	100	D	D	D	D	D	D	D	D	D	D	D	D
Postsecondary teachers, other social sciences	16,550	575	15,950	600	600	100	D	D	D	D	D	D	D	D	D	D	D	D
Sociologist, anthropologist	3,500	275	1,250	175	50	50	350	75	500	100	500	125	250	100	400	100	S	S
Other social scientist	8,250	475	2,350	225	250	75	1,850	200	1,800	200	900	125	550	100	400	100	150	50
Engineering occupations	120,650	1,375	35,900	850	450	150	67,300	1,325	4,550	350	6,450	375	2,100	250	2,150	275	1,750	275
Aerospace, aeronautical, astronautical engineer	7,150	425	750	150	D	D	4,050	350	700	150	1,350	200	D	D	100	50	200	100
Chemical engineer	9,250	525	1,150	200	D	D	6,900	450	350	100	500	175	D	D	D	D	100	75
Civil, architectural, sanitary engineer	6,900	425	1,450	250	D	D	3,500	300	150	50	500	125	950	175	250	100	D	D
Electrical engineer	27,500	750	2,450	275	D	D	21,600	775	1,050	200	1,300	200	150	75	300	100	600	175
Industrial engineers	1,950	250	400	100	D	D	1,050	175	250	100	S	S	D	D	S	S	D	D
Mechanical engineer	13,450	550	2,100	225	D	D	9,500	525	550	150	750	125	S	S	200	100	250	100
Postsecondary teacher, engineering	23,950	750	23,550	725	400	150	D	D	D	D	D	D	D	D	D	D	D	D
Other engineer	30,500	675	3,950	350	*	*	20,750	625	1,450	175	2,000	200	850	150	950	150	450	100
S&E-related occupations	92,350	1,475	35,800	925	5,950	400	29,000	875	9,950	500	4,750	350	2,900	275	2,750	225	1,300	225
Health occupations, except postsecondary teachers and managers	30,800	825	7,550	450	300	75	9,800	500	6,900	425	1,800	200	1,450	200	2,250	225	750	175
Postsecondary teacher, health and related science	23,600	675	23,150	675	450	75	D	D	D	D	D	D	D	D	D	D	D	D
S&E managers, including health	24,650	850	4,050	325	50	25	13,650	600	2,600	300	2,550	250	1,150	175	150	75	400	100
S&E precollege teachers	5,200	400	S	S	5,150	400	D	D	D	D	D	D	D	D	D	D	D	D
S&E technicians/ technologists	7,200	475	950	150	50	25	4,900	400	350	100	300	75	250	100	250	100	S	S
Other S&E-related occupation	900	150	D	D	D	D	650	125	D	D	D	D	D	D	D	D	D	D
Non-S&E occupations	151,500	1,650	42,300	850	6,400	325	67,800	1,175	11,600	550	5,650	400	3,400	300	12,600	650	1,800	250
Arts, humanities-related occupation	8,900	425	600	100	100	75	4,100	300	1,000	175	150	75	50	50	2,650	275	150	75
Management-related occupation	33,050	1,175	4,400	325	600	125	18,500	800	2,600	250	2,400	250	1,000	150	3,000	325	550	125
Non-S&E managers	55,650	1,175	15,950	550	1,950	200	28,100	825	4,900	350	1,350	175	1,150	150	1,750	250	550	125
Non-S&E postsecondary teachers	19,700	650	18,850	650	850	150	D	D	D	D	D	D	D	D	D	D	D	D
Non-S&E precollege/ other teachers	4,750	375	200	100	2,300	250	800	125	250	75	S	S	100	50	950	200	D	D
Sales, marketing occupation	9,400	450	S	S	D	D	7,100	400	200	75	D	D	D	D	1,600	225	200	100
Social service-related occupation	6,300	400	850	150	350	75	1,450	200	1,950	275	250	125	500	175	900	150	100	50
Other non-S&E occupation	13,750	650	1,300	175	200	75	7,650	500	700	125	1,350	200	550	100	1,750	200	200	75

\* = suppressed when population estimate &lt; 25. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&amp;E = science and engineering; SE = standard error.

<sup>a</sup> Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

<sup>b</sup> Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.

<sup>c</sup> Includes those self-employed in an incorporated business.

<sup>d</sup> Self-employed or business owner in a nonincorporated business.

<sup>e</sup> Includes employers not broken out separately.

**Note(s):**

Numbers are rounded to the nearest 50. Standard errors are rounded up to the nearest 25. Detail may not add to total because of rounding. Residence location is based on reported living location on 1 February 2019.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2019.